

**AMENDMENTS TO THE CLAIMS**

**Claim 1 (original):** A method of providing data to a user of a client computer connected to multiple data stores and multiple other computers, the method comprising the steps of:

receiving a request for data at the client computer; forwarding the request from the client computer to a server computer; intercepting the request at a reverse proxy caching connection; and attempting to locate the data at a data store at the reverse proxy caching connection.

**Claim 2 (original):** The method of claim 1, further comprising:

determining that the data is not in the data store at the reverse proxy caching connection; and attempting to retrieve the data from the server computer.

**Claim 3 (original):** The method of claim 2, further comprising:

at the reverse proxy caching connection,  
receiving data from the server computer;  
storing a copy of the data in the data store at the reverse proxy caching connection; and  
forwarding the data to the client computer.

**Claim 4 (original):** The method of claim 1, further comprising, prior to forwarding the request, attempting to locate the data at a data store at the client computer.

**Claim 5 (original):** The method of claim 4, wherein the data store is a cache.

**Claim 6 (original):** The method of claim 4, wherein the data store is a database.

**Claim 7 (original):** The method of claim 6, wherein data in the database is updated by a satellite transmission.

**Claim 8 (original):** The method of claim 1, further comprising, prior to intercepting the request, determining whether the data is located at a firewall.

**Claim 9 (original):** The method of claim 1, wherein the data comprises one or more music files and further comprising:

receiving a playlist specifying music files; and  
while playing one of the music files that has already been retrieved, retrieving additional music files.

**Claim 10 (original):** The method of claim 9, wherein the music files are played using a media player.

**Claim 11 (original):** An apparatus for providing data to a user of a client computer, comprising:  
a client computer connected to multiple data stores and multiple other computers;  
one or more computer programs, performed by the client computer and multiple other computers, for receiving a request for data at the client computer, forwarding the request from the client computer to a server computer, intercepting the request at a reverse proxy caching connection, and attempting to locate the data at a data store at the reverse proxy caching connection.

**Claim 12 (original):** The apparatus of claim 11, further comprising:  
determining that the data is not in the data store at the reverse proxy caching connection;  
and attempting to retrieve the data from the server computer.

**Claim 13 (original):** The apparatus of claim 12, further comprising:  
at the reverse proxy caching connection,  
receiving data from the server computer;  
storing a copy of the data in the data store at the reverse proxy caching connection; and  
forwarding the data to the client computer.

**Claim 14 (original):** The apparatus of claim 11, further comprising, prior to forwarding the request, attempting to locate the data at a data store at the client computer.

**Claim 15 (original):** The apparatus of claim 14, wherein the data store is a cache.

**Claim 16 (original):** The apparatus of claim 14, wherein the data store is a database.

**Claim 17 (original):** The apparatus of claim 16, wherein data in the database is updated by a satellite transmission.

**Claim 18 (original):** The apparatus of claim 11, further comprising, prior to intercepting the request, determining whether the data is located at a firewall.

**Claim 19 (original):** The apparatus of claim 11, wherein the data comprises one or more music files and further comprising:

receiving a playlist specifying music files; and

while playing one of the music files that has already been retrieved, retrieving additional music files.

**Claim 20 (original):** The apparatus of claim 19, wherein the music files are played using a media player.

**Claim 21 (original):** An article of manufacture comprising a computer program carrier readable by a computer and embodying one or more instructions executable by the computer to perform method steps for providing data to a user of a client computer connected to multiple data stores and multiple other computers, comprising:

receiving a request for data at the client computer; forwarding the request from the client computer to a server computer; intercepting the request at a reverse proxy caching connection; and attempting to locate the data at a data store at the reverse proxy caching connection.

**Claim 22 (original):** The article of manufacture of claim 21, further comprising:

determining that the data is not in the data store at the reverse proxy caching connection; and attempting to retrieve the data from the server computer.

**Claim 23 (original):** The article of manufacture of claim 22, further comprising:

at the reverse proxy caching connection,  
receiving data from the server computer;  
storing a copy of the data in the data store at the reverse proxy caching connection; and  
forwarding the data to the client computer.

**Claim 24 (original):** The article of manufacture of claim 21, further comprising, prior to forwarding the request, attempting to locate the data at a data store at the client computer.

**Claim 25 (original):** The article of manufacture of claim 24, wherein the data store is a cache.

**Claim 26 (original):** The article of manufacture of claim 24, wherein the data store is a database.

**Claim 27 (original):** The article of manufacture of claim 26, wherein data in the database is updated by satellite transmission.

**Claim 28 (original):** The article of manufacture of claim 21, further comprising, prior to intercepting the request, determining whether the data is located at a firewall.

**Claim 29 (original):** The article of manufacture of claim 21, wherein the data comprises one or more music files and further comprising:

receiving a playlist specifying music files; and  
while playing one of the music files that has already been retrieved, retrieving additional music files.

**Claim 30 (original):** The article of manufacture of claim 9, wherein the music files are played using a media player.

**Claim 31 (withdrawn):** A method of providing data to a user of a client computer connected to multiple data stores and multiple other computers, the method comprising the steps of:

providing a user interface to enable the user to identify desired data retrieving the desired data; and

providing the desired data to the user.

**Claim 32 (withdrawn):** The method of claim 31, wherein the user interface provides categories of data.

**Claim 33 (withdrawn):** The method of claim 32, wherein the categories of data include music categories.

**Claim 34 (withdrawn):** The method of claim 32, wherein the categories of data include news categories.

**Claim 35 (withdrawn):** The method of claim 31, wherein the desired data comprises one or more music files that are played with a media player.

**Claim 36 (withdrawn):** The method of claim 35, further comprising providing a music controller.

**Claim 37 (withdrawn):** The method of claim 35, wherein the user interface enables a user to create music filters.

**Claim 38 (withdrawn):** The method of claim 37, wherein a music filter comprises data on how frequently a music file is to be played.

**Claim 39 (withdrawn):** The method of claim 35, wherein the user interface enables a user to create a custom station.

**Claim 40 (withdrawn):** The method of claim 39, wherein the user interface enables a user to share the custom station with another user.

**Claim 41 (withdrawn):** An apparatus for providing data to a user of a client computer, comprising:

a client computer connected to multiple data stores and multiple other computers;

one or more computer programs, performed by the client computer and multiple other computers, for providing a user interface to enable the user to identify desired data, retrieving the desired data, and providing the desired data to the user.

**Claim 42 (withdrawn):** The method of claim 41, wherein the user interface provides categories of data.

**Claim 43 (withdrawn):** The method of claim 42, wherein the categories of data include music categories.

**Claim 44 (withdrawn):** The method of claim 42, wherein the categories of data include news categories.

**Claim 45 (withdrawn):** The method of claim 41, wherein the desired data comprises one or more music files that are played with a media player.

**Claim 46 (withdrawn):** The method of claim 45, further comprising providing a music controller.

**Claim 47 (withdrawn):** The method of claim 45, wherein the user interface enables a user to create music filters.

**Claim 48 (withdrawn):** The method of claim 47, wherein a music filter comprises data on how frequently a music file is to be played.

**Claim 49 (withdrawn):** The method of claim 45, wherein the user interface enables a user to create a custom station.

**Claim 50 (withdrawn):** The method of claim 49, wherein the user interface enables a user to share the custom station with another user.

**Claim 51 (withdrawn):** An article of manufacture comprising a computer program carrier readable by a computer and embodying one or more instructions executable by the computer to perform method steps for providing data to a user of a client computer connected to multiple data stores and multiple other computers, comprising:

providing a user interface to enable the user to identify desired data; retrieving the desired data; and

providing the desired data to the user.

**Claim 52 (withdrawn):** The article of manufacture of claim 51, wherein the user interface provides categories of data.

**Claim 53 (withdrawn):** The article of manufacture of claim 52, wherein the categories of data include music categories.

**Claim 54 (withdrawn):** The article of manufacture of claim 52, wherein the categories of data include news categories.

**Claim 55 (withdrawn):** The article of manufacture of claim 51, wherein the desired data comprises one or more music files that are played with a media player.

**Claim 56 (withdrawn):** The article of manufacture of claim 55, further comprising providing a music controller.

**Claim 57 (withdrawn):** The article of manufacture of claim 55, wherein the user interface enables a user to create music filters.

**Claim 58 (withdrawn):** The article of manufacture of claim 57, wherein a music filter comprises data on how frequently a music file is to be played.

**Claim 59 (withdrawn):** The article of manufacture of claim 55, wherein the user interface enables a user to create a custom station.

**Claim 60 (withdrawn):** The article of manufacture of claim 59, wherein the user interface enables a user to share the custom station with another user.

**Claim 61 (withdrawn):** A method of generating a list of data elements, the method comprising the steps of:

identifying data elements associated with a grouping of data elements;

selecting a subset of the selected data elements based on weights associated with the data elements, without selecting more than a specified number of data elements that are associated with a same sub-category.

**Claim 62 (withdrawn):** The method of claim 61, wherein selecting further comprises:

selecting one data element;

if the data element causes more than the specified number of data elements that are associated with a same sub-category to be selected, dropping the selected data element.

**Claim 63 (withdrawn):** The method of claim 61, further comprising, determining whether enough iterations have been attempted to select a subset of data elements, without selecting the subset.

**Claim 64 (withdrawn):** The method of claim 63, further comprising, disabling a user's music filter and continuing to select a subset of data elements.

**Claim 65 (withdrawn):** The method of claim 63, further comprising, exiting with an error.

**Claim 66 (withdrawn):** The method of claim 61, wherein the weights comprise user-specified weights.

**Claim 67 (withdrawn):** The method of claim 66, wherein the user-specified weights are not used in selecting data elements.

**Claim 68 (withdrawn):** The method of claim 61, further comprising, after selecting the subset, ordering the selected data elements.



**Claim 69 (withdrawn):** The method of claim 61, further comprising, after selecting the subset, inserting additional data elements into the subset

**Claim 70 (withdrawn):** The method of claim 69, wherein the additional data elements are advertisements.

**Claim 71 (withdrawn):** An apparatus for generating a list of data elements, comprising:  
a computer connected to one or more data stores;  
one or more computer programs, performed by the computer, for identifying data elements associated with a grouping of data elements and selecting a subset of the selected data elements based on weights associated with the data elements, without selecting more than a specified number of data elements that are associated with a same sub-category.

**Claim 72 (withdrawn):** The apparatus of claim 71, wherein selecting further comprises:  
selecting one data element;  
if the data element causes more than the specified number of data elements that are associated with a same sub-category to be selected, dropping the selected data element.

**Claim 73 (withdrawn):** The apparatus of claim 71, further comprising, determining whether enough iterations have been attempted to select a subset of data elements, without selecting the subset.

**Claim 74 (withdrawn):** The apparatus of claim 73, further comprising, disabling a user's music filter and continuing to select a subset of data elements.

**Claim 75 (withdrawn):** The apparatus of claim 73, further comprising, exiting with an error.

**Claim 76 (withdrawn):** The apparatus of claim 71, wherein the weights comprise user-specified weights.

**Claim 77 (withdrawn):** The apparatus of claim 76, wherein the user-specified weights are not used in selecting data elements.

**Claim 78 (withdrawn):** The apparatus of claim 71, further comprising, after selecting the subset, ordering the selected data elements.

**Claim 79 (withdrawn):** The apparatus of claim 71, further comprising, after selecting the subset, inserting additional data elements into the subset.

**Claim 80 (withdrawn):** The apparatus of claim 79, wherein the additional data elements are advertisements.

**Claim 81 (withdrawn):** An article of manufacture comprising a computer program carrier readable by a computer and embodying one or more instructions executable by the computer to perform method steps for generating a list of data elements, comprising:

identifying data elements associated with a grouping of data elements;

selecting a subset of the selected data elements based on weights associated with the data elements, without selecting more than a specified number of data elements that are associated with a same sub-category.

**Claim 82 (withdrawn):** The article of manufacture of claim 81, wherein selecting further comprises:

selecting one data element;

if the data element causes more than the specified number of data elements that are associated with a same sub-category to be selected, dropping the selected data element.

**Claim 83 (withdrawn):** The article of manufacture of claim 81, further comprising, determining whether enough iterations have been attempted to select a subset of data elements, without selecting the subset.

**Claim 84 (withdrawn):** The article of manufacture of claim 83, further comprising, disabling a user's music filter and continuing to select a subset of data elements.

**Claim 85 (withdrawn):** The article of manufacture of claim 83, further comprising, exiting with an error.

**Claim 86 (withdrawn):** The article of manufacture of claim 81, wherein the weights comprise user-specified weights.

**Claim 87 (withdrawn):** The article of manufacture of claim 86, wherein the user-specified weights are not used in selecting data elements.

**Claim 88 (withdrawn):** The article of manufacture of claim 81, further comprising, after selecting the subset, ordering the selected data elements.

**Claim 89 (withdrawn):** The article of manufacture of claim 81, further comprising, after selecting the subset, inserting additional data elements into the subset.

**Claim 90 (withdrawn):** The article of manufacture of claim 89, wherein the additional data elements are advertisements.